

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/524,860 A
Source: IFWP
Date Processed by STIC: 08/04/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/04/2006

PATENT APPLICATION: US/10/524,860A

TIME: 12:07:03

Input Set : A:\Q86151 Sequence Listing.ST25.txt

Output Set: N:\CRF4\08042006\J524860A.raw

```

3 <110> APPLICANT: Nichirei Corporation
5 <120> TITLE OF INVENTION: Primer and probe for detecting Vibrio vulnificus
and detection
6     method using the same
8 <130> FILE REFERENCE: Q86151
10 <140> CURRENT APPLICATION NUMBER: US 10/524,860A
11 <141> CURRENT FILING DATE: 2005-02-18
13 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/010846
14 <151> PRIOR FILING DATE: 2003-08-27
16 <160> NUMBER OF SEQ ID NOS: 20
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 885
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus
sequence of the gyrB
27     gene of the cluster to which Vibrio vulnificus belongs
29 <400> SEQUENCE: 1
30 gtgtctggcg gtcttcacgg tgtwgggygtt tgggtggtra acgcaytgct tgaaaaagtr      60
32 ctrytkacga ttcacgtgg tggtcatacy cayagccaaa cctatcgta tgggtgtgcct      120
34 gatgcaccgc ttgctatcat cggygatacy gaaaaaacccg gtaccacggt acgtttctgg      180
36 ccaagtgcks aaaccttcas caacatcgaa tttcattatg acatcctagc gaagcgtyta      240
38 cgtgagctct ttttyctgaa ctckggcggtg tckatcaaac tgtttgatga gcgcgaagaa      300
40 gataagraag atcacttcat gtatgaagggt ggtattcaag cgattygtyac tcacttgaac      360
42 cgcaacaara cmcccatcca tgaaaaagta ttccatttga aykcygagcg tgaagacggk      420
44 attgckgttg aagtggcgat gcagtgggac gatggyttcc aagaaaacat ctactgtttt      480
46 accaacaaca tcccacagcg tgaygggtgtt acccacttag cgggttttccg ygcggcattg      540
48 acgcgcacay tgaacagcta catggacaaa gaaggytact craagaaagc gaaaaccgcg      600
50 acttctggyg aygatgcgcg tgaaggtttg acygcwgtyg tttcagthaa agtrccggat      660
52 ccaaaattct caagccaaac yaaagacaaa ctggtttcta gygaagtraa gtccgcagtg      720
54 gaatccttca tggcagacaa actgaacgac ttcttrgcyg arcaccaag cgaagcgaaa      780
56 accgtttgtt ctaagattat cgacgccgca cgtgcgcgtg aagcagcrgc taaagcgcgt      840
58 gaaatgacrc gccgtaaagg ggcrttagay cttgctggcc ttccw                        885
61 <210> SEQ ID NO: 2
62 <211> LENGTH: 819
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus
sequence of the
68     rpoD gene of the cluster to which Vibrio vulnificus belongs
71 <220> FEATURE:

```

72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (280)..(285)

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74 <223> OTHER INFORMATION: n is a, c, g, or t

76 <400> SEQUENCE: 2

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77 actcgtgaag gcgaaatcga catcgctaam cgaattgaag atggtatcaa ccaagtacag      60
79 tcstctgttg ctgaataccc aggaaccatt ccttatattc tkgaacagtt cgacaaagta      120
81 caagcggaag aacttcgcct mactgatctt atcagtggtt ttgttgatcc aaatgcagat      180
83 gaaacggcwg ctccaaccgc aacacacaty gggttcagagc ttgcagaatc tgatttgga      240
W--> 85 gatgaagaca ayaccgacat cgacgatgaa gacgaagayn nnnnngaaga tggcgattca      300
87 agcagygatt cagaggamga tgtcggcatc gaccctgaaa tggcgctaga gaagttyact      360
89 carcttcgta acagctayca gaatctgcaa cttgccktra atgaacatgg tcgagagagt      420
91 gctcaaacag ctcaagccca tgaactgatg ctcgatgtgt ttaaagagtt tcgtctaacd      480
93 ccgaagcagt ttgaccattt ggtaacgaa cttcgaccgc cyatggatcg cgttcgtack      540
95 caagarcgyt tgatcatgaa rtctgcggtg gaaatcgcsa aratgccraa gaartcktty      600
97 atygcwctct tyactggcaa cgartcwarc gaagaatggt tagatmagat cctmgyytct      660
99 gayaagccrt acgyagaaaa gatyaaarctk cacgaagaag acattcgtcg ttcaatcdcc      720
101 aagctaagag caattgaaga agaaacgtcg ctttcagtra rcaacatcaa agacatcagc      780
103 cgtcgtatgt ctatmggtga agcmaaagct cgccgtgcg      819

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106 <210> SEQ ID NO: 3

107 <211> LENGTH: 648

108 <212> TYPE: DNA

109 <213> ORGANISM: Artificial Sequence

111 <220> FEATURE:

112 <223> OTHER INFORMATION: Description of Artificial Sequence: consensus
sequence of the

113 recA gene of the cluster to which Vibrio vulnificus belongs

116 <220> FEATURE:

117 <221> NAME/KEY: misc_feature

118 <222> LOCATION: (330)..(330)

119 <223> OTHER INFORMATION: n is a, c, g, or t

121 <400> SEQUENCE: 3

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122 ccaatgggcc gtatcggtga aatttttggg ccagaatctt caggtaaaac cacgttgacc      60
124 cttgagctga tcgctgcr gc tcaacgtgaa ggcaaaactt gtgcgtttat cgatgcygag      120
126 cagcggttrg atcctgtgta tgcgaagaar cttggcggtwa atatcgacca rttrttggta      180
128 tctcagccyg ayacbggtga acaagcrttg gaaatctgtg atgckcttgc tcgctcaggk      240
130 gcggttgayg ttattgttgt cgaytctgtk gcmgcattga crccaaaggc agaaatygaa      300
W--> 132 ggtgagatgg gygaytcgca catgggtctn caagctcgta tgctmtctca agcgatgcgt      360
134 aagytaacgg gkaacctaaa rcagtctaac tgtatgtgta tcttcatyaa ccagatycgt      420
136 atgaagatyg gkggtgatgt ttgtaaycca gaaaccacaa crggtggtaa cgcwctgaaa      480
138 ttctacgctt ctgtwcgtct tgatattcgc cgtactgggt cratcaaaga aggygatgag      540
140 gtmgtgggta aygaaacgcg yatcaaagtg gtgaagaata agatcgctgc gccgtttaaa      600
142 gaagccaaya cycaaattat gtayggccar ggcwtaacc gygaaggy      648

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145 <210> SEQ ID NO: 4

146 <211> LENGTH: 15

147 <212> TYPE: DNA

148 <213> ORGANISM: Artificial Sequence

150 <220> FEATURE:

151 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

153 <400> SEQUENCE: 4

154 gtgtctggcg gtctt

15

157 <210> SEQ ID NO: 5

158 <211> LENGTH: 21

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159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
165 <400> SEQUENCE: 5
166 gatgcaccgc ttgctatcat c                                21
169 <210> SEQ ID NO: 6
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
177 <400> SEQUENCE: 6
178 tgcggactty acttcrct                                18
181 <210> SEQ ID NO: 7
182 <211> LENGTH: 19
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
189 <400> SEQUENCE: 7
190 gtccatgtag ctgttcart                                19
193 <210> SEQ ID NO: 8
194 <211> LENGTH: 21
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
201 <400> SEQUENCE: 8
202 ttgtctgcca tgaaggattc c                                21
205 <210> SEQ ID NO: 9
206 <211> LENGTH: 19
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
213 <400> SEQUENCE: 9
214 aatcgacatc gctaamcga                                19
217 <210> SEQ ID NO: 10
218 <211> LENGTH: 19
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
225 <400> SEQUENCE: 10
226 gttcgacaaa gtacaagcg                                19
229 <210> SEQ ID NO: 11
230 <211> LENGTH: 18
231 <212> TYPE: DNA

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232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
237 <400> SEQUENCE: 11
238 tcaagcagyg attcagag 18
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 16
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
249 <400> SEQUENCE: 12
250 aatggcgcta gagaag 16
253 <210> SEQ ID NO: 13
254 <211> LENGTH: 19
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
261 <400> SEQUENCE: 13
262 cktraatgaa catggtcga 19
265 <210> SEQ ID NO: 14
266 <211> LENGTH: 21
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
273 <400> SEQUENCE: 14
274 gaactgatgc tcgatgtgtt t 21
277 <210> SEQ ID NO: 15
278 <211> LENGTH: 20
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
285 <400> SEQUENCE: 15
286 aatgtcttct tcgtgmagyt 20
289 <210> SEQ ID NO: 16
290 <211> LENGTH: 21
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
297 <400> SEQUENCE: 16
298 ttgatgttgy tyactgaaag c 21
301 <210> SEQ ID NO: 17
302 <211> LENGTH: 21
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence

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306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
309 <400> SEQUENCE: 17
310 cctgtgtatg cgaagaarct t                                     21
313 <210> SEQ ID NO: 18
314 <211> LENGTH: 19
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
321 <400> SEQUENCE: 18
322 tatcgaccar ttrttggta                                     19
325 <210> SEQ ID NO: 19
326 <211> LENGTH: 21
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
333 <400> SEQUENCE: 19
334 aagmgcatca cagatttcca a                                     21
337 <210> SEQ ID NO: 20
338 <211> LENGTH: 21
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
345 <400> SEQUENCE: 20
346 tcaaccgcmc ctgagcgagc a                                     21

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/524,860A

DATE: 08/04/2006
TIME: 12:07:04

Input Set : A:\Q86151 Sequence Listing.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 280, 281, 282, 283, 284, 285

Seq#:3; N Pos. 330

VERIFICATION SUMMARY

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Input Set : A:\Q86151 Sequence Listing.ST25.txt

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L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240

L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300